

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AMIRSA, BLOCK- SAHAWAR, DISTT- KASGANJ  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Kasganj.

On the request of M/S PNC-SPML-JV, Kasganj. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 17.Aug.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 16.37 Ohms.

Drilling Water Resistivity = 17.21 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 16	11	Clay kankar	
3.	16 - 20	4	Fine to Medium sand	
4.	20 - 42	22	Clay kankar	
5.	42 - 53*	11	Medium sand	Medium
6.	53 - 62	9	Clay kankar	
7.	62 - 66*	4	Fine to Medium sand	Medium
8.	66 - 75	9	Clay kankar	
9.	75 - 81*	6	Medium sand	Medium
10.	81 - 87	6	Clay kankar	
11.	87 - 94*	7	Medium sand	Medium
12.	94 - 98	4	Clay kankar	
13.	98 - 100*	2	Medium sand	Medium

Note :- Please ensure pre-monsoon water level before lower the well assembly

